

Recombinant Full Length Human STS Protein, GST-tagged

Cat. No. STS-511HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human STS(1 a.a. - 583 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	583 amino acids
Description	The protein encoded by this gene catalyzes the conversion of sulfated steroid precursors to estrogens during pregnancy. The encoded protein is found in the endoplasmic reticulum, where it acts as a homodimer. Mutations in this gene are known to cause X-linked ichthyosis (XLI).
Molecular Mass	91.9 kDa
AA Sequence	MPLRKMKIPF LLLFFLWEAE SHAASRPNII LVMADDLGIG DPGCYGNKTI RTPNIDRLAS GGVKLTQHLL ASPLCTPSRA AFMTGRYPVR SGMASWSRTG VFLFTASSGG LPTDEITFAK LLKDQGYSTA LIGKWHLGMS CHSKTDFCHH PLHHGFNYFY GISLTNLRDC KPGEESVFTT GFKRLVFLPL QIVGVTLTLL AALNCLGLLH VPLGVFFSLL FLAALILTLF LGFLHYFRPL NCFMMRNIEI IQQPMSYDNL TQRLTVEAAQ FIQRNTETPF LLVLSYLHVH TALFSSKDFA GKSQHGVDYGD AVEEMDWSVG QILNLLDELRLANDTLIYFT SDQGAHVVEEV SSKGEIHGGS NGIYKGGKAN NWEKGIRVPG ILRWPRVIQA GQKIDEPTSN MDIFPTVAKL AGAPLPEDRI IDGRDLMPLL EGKSQRSDEH FLFHYCNAYL

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NAVRWHPQNS TSIWKAFFFT PNFNPVGSNG CFATHVCFCF GSYVTHHDPP
LLFDISKDPR ERNPLTPASE PRFYEILKVM QEAADRHTQT LPEVPDQFSW
NNFLWKPWLQ LCCPSTGLSC QCDREKQDKR LSR

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name STS steroid sulfatase (microsomal), isozyme S [Homo sapiens (human)]

Official Symbol STS

Synonyms STS; steroid sulfatase (microsomal), isozyme S; ARSC1, steroid sulfatase (microsomal), arylsulfatase C, isozyme S; steryl-sulfatase; ARSC; arylsulfatase C; ARSC; ARSC1; Arylsulfatase C; Arylsulfatase C isozyme S; ASC; EC 3.1.6.2; ES; Estrone sulfatase; SSDD; Steroid sulfatase (microsomal); Steroid sulfatase (microsomal) arylsulfatase C isozyme S; Steroid sulfatase; Steryl sulfatase; Steryl sulfatase precursor; Steryl sulfate sulfohydrolase; estrone sulfatase; steryl-sulfate sulfohydrolase; ES; ASC; XLI; SSDD; ARSC1

Gene ID 412

mRNA Refseq NM_000351

Protein Refseq NP_000342

MIM 300747

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UniProt ID

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